

WHAT IS CLAIMED IS:

1. An eye's optical characteristic measuring system, comprising an aperture diaphragm arranged at a position approximately conjugate to a pupil of an eye under testing and for determining regions to pass a light beam on the pupil, a projection optical system for projecting a primary index image on a fundus of the eye under testing via said aperture diaphragm, a photodetection optical system for forming a secondary index image on a photoelectric detector via said aperture diaphragm by a reflected light beam from the fundus of the eye under testing, and a detecting unit for detecting a light amount intensity distribution of the secondary index image based on a signal from said photoelectric detector.

2. An eye's optical characteristic measuring system according to claim 1, wherein said aperture diaphragm is designed to enable to change an aperture.

3. An eye's optical characteristic measuring system according to claim 1, wherein said aperture diaphragm is designed in such manner that a position of an aperture can be changed.

4. An eye's optical characteristic measuring system according to claim 1, wherein said aperture diaphragm comprises a plurality of aperture plates, and said reflected light beam can be divided into a plurality of regions by combining said aperture plates.

5. An eye's optical characteristic measuring system according to claim 4, wherein a light amount intensity distribution of a secondary index image is detected for each

of said regions, there is provided a display unit for displaying an eye's optical characteristic obtained from the result of the detection, and said display unit displays an aspect of division of the regions and displays the eye's optical characteristic for each of the divided regions.